



Weekly Summary Report

USEPA Oversight, Sauget Area 2, Sauget, IL

WA No. 224-RXBF-05XX / Contract No. 68-W6-0025

Week Ending Friday February 27, 2004

This report summarizes the Remedial Action (RA) work conducted by Solutia and its contractors from February 23, 2004 through February 27, 2004. The current RA fieldwork consists of site maintenance and equipment demobilization.

Contractors Onsite

Inquip Associates Inc. (barrier wall construction contractor)
URS (primary consultant for Solutia)

Work Performed This Week

Solutia Bankruptcy / Production Halt

Work at the site during the week continued with a minimal crew of Inquip operators and laborers performing site and trench maintenance activities. Inquip continued to demobilize unused equipment off site.

Groundwater Migration Control System (GMCS)

The Groundwater Migration Control pumping system flow rate remained consistent throughout the week, at or near maximum pumping rates for each extraction well. The river elevation rose during the week from 378.8 ft above mean sea level (amsl) on February 20, to 387.4 ft amsl on February 27, 2004. The combined pumping rate of the system at the close of the week was 2,175 gallons per minute (gpm), or approximately 725 gpm per extraction well.

As the river level increased all four of the upgradient piezometers measured water elevations lower than the river level throughout the week. The piezometers generally maintained water levels between two and five feet below the river stage.

The minitroll dataloggers in each of the four piezometers downgradient of the barrier wall alignment have been removed and replaced with transducers. These transducers have been connected into the GMCS control system. Additionally, URS has been manually reading water levels in twelve monitoring wells located across Site R; these monitoring wells were installed prior to 2003. Water level data from these monitoring wells is submitted by URS to Solutia for analysis.

Table 1 shows the river and piezometer water elevations on February 27 (16:00 PM).

TABLE 1
River and Piezometer Water Elevations – February 27, 2004 (16:00 PM)

	Elevation (ft above mean sea level)
River Level	387.37
Piezometer 1S (northern-most)	381.02
Piezometer 2E	380.65
Piezometer 3E	379.52
Piezometer 4E (southern-most)	381.66

Stormwater

No stormwater activities occurred during the week.

Site Maintenance

Inquip repaired silt fence on two days during the week where it had become impacted by moving slurry and stormwater pipelines at the site.

Slurry Mixing

Three batches of fresh slurry were mixed during the week, refilling the slurry holding ponds. Approximately 40 tonnes of bentonite gel was used to mix slurry.

Barrier Wall Construction

No barrier wall construction activities occurred during the week.

The open trench remains at approximately 1,300 feet in length along the barrier wall alignment from station 23+60 towards station 10+60 (please refer to Solutia's map for locations.) No backfill activities occurred during the week.

The trench depths were measured on one day during the week. The trench depth measurements from the morning of February 27 are shown in Table 2. The trench profile is depicted in Graph 1, in comparison to the last measured trench profile during active site construction on January 23, and the profile from the previous week on January 20, 2004. Graph 2 shows the overall progress of the barrier wall construction. It was noted that at the south end of the barrier wall trench (between stations 10+60 and 11+60) the trench depth measured has decreased from the maximum excavated depth, indicating material settling in this end of the trench. Additionally, backfill is beginning to gather unevenly along the backfill slope extending approximately from station 23+00 to station 13+00.

Fresh slurry was pumped from the holding ponds into the trench on two days during the week, and on these days, testing of fresh and trench slurry samples was performed by Inquip. The slurry was tested for viscosity, density (unit weight), filtrate loss, pH and sand content. The results of the slurry samples analyzed on February 24, generally met the specifications; results from the February 27, samples were not yet available. The bottom trench slurry sample on February 24, exceeded the viscosity specification (124 seconds to pass through the Marsh Funnel, specification is 40 to 100 seconds.)

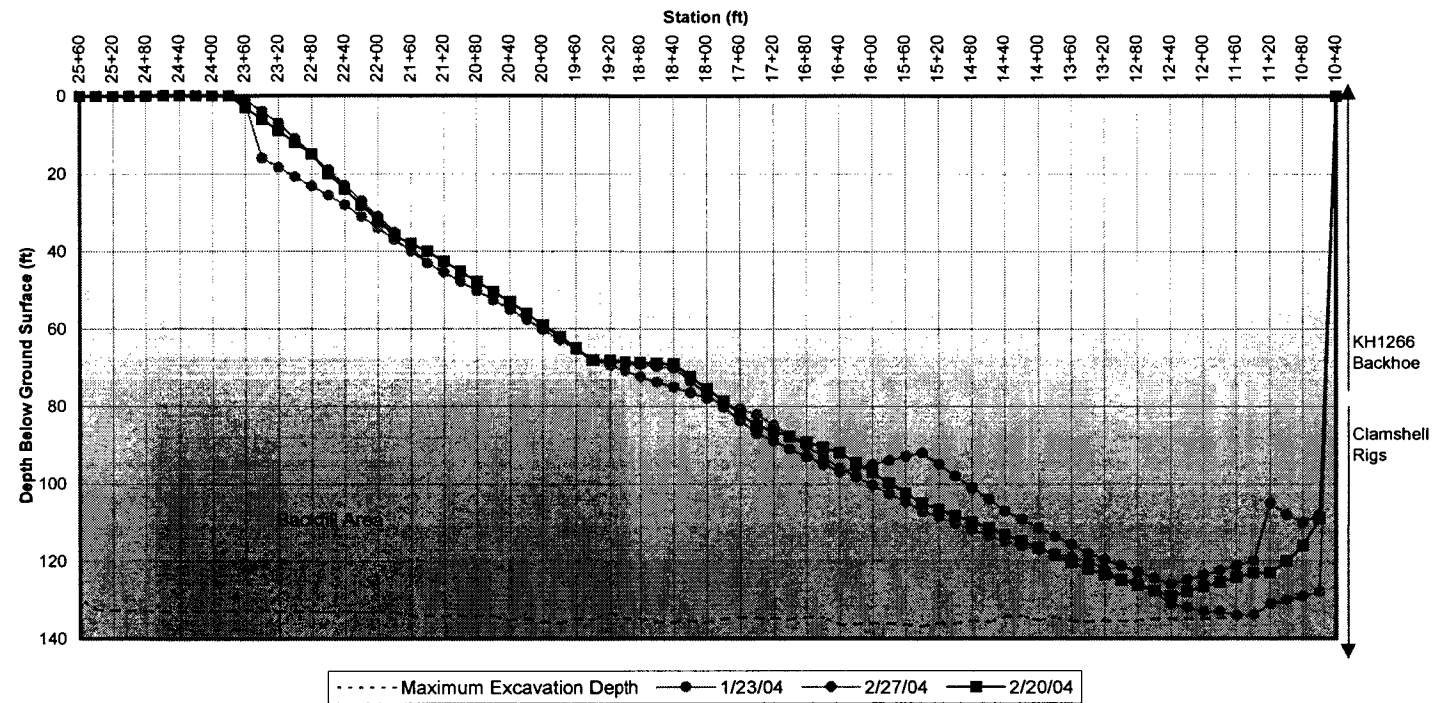
TABLE 2

Trench Profile (Downrigger Measurements) for the Barrier Wall Trench – February 27, 2004 (AM)

Station ID	Depth to bottom (ft below ground surface)
10+70	108
10+90	110
11+30	105
11+40	120
12+40	126
13+40	118
14+40	107
15+40	92
16+40	97
17+40	87
18+40	70
19+40	68
20+40	55
21+40	43

Construction Progress

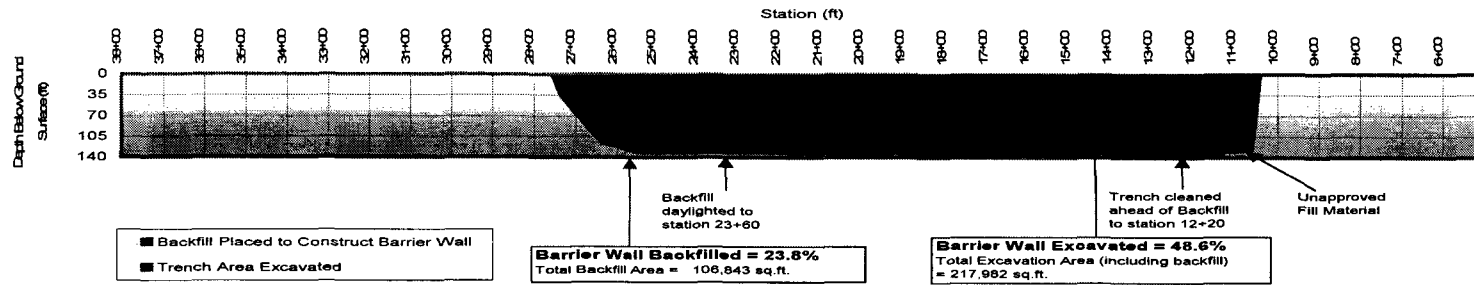
Graph 1 - Weekly Barrier Wall Construction Progress
Comparison between trench profiles measured January 23, 2004 and February 27, 2004



Note: Data plotted for week through AM measurements on 2-27-04.

Some data points are interpolated between the available data points where trench depth measurements were read.

Graph 2 - Barrier Wall Construction Progress by February 27, 2004



Note: Data plotted for week through AM measurements on 2-27-04.
Backfill and Excavation Areas and Percentages are calculated daily by URS based on excavation logs from cranes